

18. (New) The device of claim 7, wherein the second filter element comprises a porous membrane having a pore size in the range of from about 0.3 to about 3 micrometers.

19. (New) The device of claim 3, wherein the second filter element comprises a porous membrane having a pore size in the range of from about 0.3 to about 3 micrometers.

20. (New) A filter device for processing a biological fluid comprising:

a housing having an inlet and an outlet and defining a fluid flow path between the inlet and the outlet;

a filter disposed in the housing across the fluid flow path, the filter comprising;

a first filter element comprising a porous fibrous red cell barrier and leukocyte depletion medium having a CWST of at least about 70 dynes/cm; and

a second filter element comprising a porous membrane having a pore size of about 5 micrometers or less, said second filter element being disposed downstream of the first filter element;

wherein the filter includes no more than one membrane, and is arranged to allow plasma to pass therethrough and substantially prevent the passage of leukocytes therethrough.